



PATENT
Docket No. GZ 2098.00

#5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JUN 19 2002

In re Application for:

Charles A. NICOLETTE

Serial No.: 10/077,629

Filing Date: February 14, 2002

For: ALTERED PEPTIDE LIGANDS

Examiner: Not Yet Assigned

TECH CENTER 1600/2900

Group Art Unit: 1645

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached forms PTO-1449a and PTO-1449b are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the new patent application submitted herewith (37 C.F.R. § 1.97(a)).
- ☐ Within three months of the application filing date or before receipt of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☒ Before the mailing date of the first Office Action on the merits. In the event, however that an Office Action has crossed in the mail with this Information Disclosure

Statement, the Commissioner is hereby authorized to charge Deposit Account No. 50-1189 for any fees required pursuant to 37 C.F.R. §§ 1.17(p) or 1.17(i)(1).

- ☐ After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance. A fee is required. The Commissioner is hereby authorized to charge Deposit Account No. 50-1189 for any fees required pursuant to 37 C.F.R. §§ 1.17(p) or 1.17(i)(1).
- ☐ After receipt of a final Office Action or Notice of Allowance, but before payment of the issue fee. Accordingly, a Certification under 37 C.F.R. § 1.97(e) is provided herein. The Commissioner is hereby authorized to charge Deposit Account No. 50-1189 for any fees required pursuant to 37 C.F.R. §§ 1.17(p) or 1.17(i)(1).

The undersigned certifies that:

- ☐ Each item of information contained in the Information Disclosure Statement was first cited in any communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols,

results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the U.S. Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1178** referencing 19442-7250. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: June 11, 2002

By: Antoinette F. Konski
Antoinette F. Konski
Registration No. 34,202

McCutchen Doyle Brown & Enersen LLP
Three Embarcadero Center, Suite 1800
San Francisco, California 94111-4067
Telephone: (650) 849-4950
Facsimile: (650) 849-4800

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Substitute for form 1449A-PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	1
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Complete if Known

Application Number	10/077,629
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Filing Date	February 14, 2002
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First Named Inventor	Charles A. NICOLETTE
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Art Unit	1645
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Examiner Name	Not Yet Assigned
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Attorney Docket Number	GZ 2098.00
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code ² (if known)			
	1	US-4,631,211	12-23-86	Houghton	
	2	US-5,101,175	04-23-91	Rutter et al.	
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FOREIGN PATENT DOCUMENTS

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Signature

Date
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Sheet 1 of 2

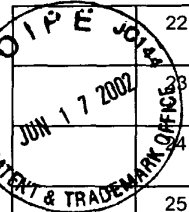
Complete if Known

Application Number	10/077,629
Filing Date	February 14, 2002
First Named Inventor	Charles A. NICOLETTE
Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	GZ 2098.00

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	T²
	1	SINKOVICS, J.G. and HORVATH, J.C. "Vaccination against human cancers (review)" <i>Int. J. Oncol.</i> (2000) 16(1) :81-96	
	2	WEINER, L.M. "Monoclonal antibody therapy of cancer" <i>Semin. Oncol.</i> (October 1999) 26 :43-51	
	3	ROSELLI, M. et al. "Tumor markers as targets for selective diagnostic and therapeutic procedures" <i>Anticancer Res.</i> (1996) 16(4B) :2187-2192	
	4	TRAIL, P.A. and BIANCHI, A.B. "Monoclonal antibody drug conjugates in the treatment of cancer" <i>Cancer</i> (1999) 11(5) :584-588	
	5	FAGERBERG, J. et al. "Human anti-idiotypic antibodies induced a humoral and cellular immune response against a colorectal carcinoma-associated antigen in patients" <i>PNAS USA</i> (May 1995) 92(11) :4773-4777	
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	12	LAMB, J.R. et al. "A novel approach to the identification of T-cell epitopes in <i>mycobacterium tuberculosis</i> using human T-lymphocyte clones" <i>Immunology</i> (1987) 60 :1-5	
	13	BOON, T. et al. "Tumor antigens recognized by T lymphocytes" <i>Annu. Rev. Immunol.</i> (1994) 12 :337-365	
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	17	BLAKE, J. et al. "Use of combinatorial peptide libraries to construct functional mimics of tumor epitopes recognized by MHC Class I-restricted cytolytic T lymphocytes" <i>J. Exp. Med.</i> (July 1996) 184 :121-130	
	18	HIEMSTRA, H.S. et al. "The identification of CD4 ⁺ T cell epitopes with dedicated synthetic peptide libraries" <i>PNAS USA</i> (September 1997) 94 :10313-10318	
	19	HEMMER, B. et al. "Identification of high potency microbial and self ligands for a human autoreactive Class II-restricted T cell clone" <i>J. Exp. Med.</i> (May 1997) 185(9) :1651-1659	
	20	CHEN, Y-Z. et al. "Response of a human T cell clone to a large panel of altered peptide ligands carrying single residue substitutions in an antigenic peptide" <i>J. Immunol.</i> (1996) 157 :3783-3790	
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Sheet 2 of		Attorney Docket Number	GZ 2098.00
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	T ²
	22	VALMORI, D. et al. "Induction of potent antitumor CTL responses by recombinant vaccinia encoding a melan-A peptide analogue" <i>J. Immunol.</i> (2000) 164 (2):1125-1131	
	23	McMAHAN, C.J. and FINK, P.J. "Receptor revision in peripheral T cells creates a diverse Vβ repertoire" <i>J. Immunol.</i> (2000) 165 :6902-6907	
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	29	DEVLIN, J.J. et al. "Random peptide libraries: a source of specific protein binding molecules" <i>Science</i> (1990) 249 :404-406	
	30	GEYSEN, H.M. et al. "A priori delineation of a peptide which mimics a discontinuous antigenic determinant" <i>Mol. Immunol.</i> (1986) 23 (7):709-715	
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	37	HEDRICK, S.M. et al. "Isolation of cDNA clones encoding T cell-specific membrane-associated proteins" <i>Nature</i> (March 1984) 308 :149-153	
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Examiner's Signature	Date Considered
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